R
737
U5s
1973
June

REPORT 19M

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

U.S. NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

JUNE 1973

NIH LIBRARY

PREPARED BY

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

STATISTICS AND ANALYSIS BRANCH

CONTENTS

SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION..... V

SYMBOLS USED TO IDENTIFY THE TYPE AND/OR LEVEL OF FELLOWSHIP AND RESEARCH CAREER PROGRAM AWARD..... VI

SUMMARY OF NEW GRANTS AND AWARDS, BY PROGRAM AND SUPPORTING INSTITUTE OR DIVISION..... VII

NEW RESEARCH GRANTS, BY AREA, INSTITUTION AND PRINCIPAL INVESTIGATOR..... 1

NEW RESEARCH CONTRACTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR..... 29

NEW RESEARCH TRAINING GRANTS, BY AREA, INSTITUTION AND PROGRAM DIRECTOR..... 46

NEW RESEARCH FELLOWSHIPS, BY AREA, INSTITUTION AND FELLOW..... 48

NEW RESEARCH CAREER PROGRAM AWARDS, BY AREA, INSTITUTION AND AWARDEE..... 50

NEW EDUCATION GRANTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR..... 51

NEW MEDICAL LIBRARY GRANTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR..... 55

SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AH DIVISION OF ALLIED HEALTH MANPOWER

AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES

AM NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES

CA NATIONAL CANCER INSTITUTE

- CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS
- CD OFFICE OF CANCER CONTROL
- CM DIVISION OF CANCER TREATMENT
- CP DIVISION OF CANCER CAUSE AND PREVENTION

CL CLINICAL CENTER

CT DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY

DE NATIONAL INSTITUTE OF DENTAL RESEARCH

DH DIVISION OF DENTAL HEALTH

ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES

EY NATIONAL EYE INSTITUTE

GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES

HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT

HL NATIONAL HEART AND LUNG INSTITUTE

JT JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)

LM NATIONAL LIBRARY OF MEDICINE

MB OFFICE OF THE DIRECTOR, BHME

MI DIVISION OF MANPOWER INTELLIGENCE

NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE

NU DIVISION OF NURSING

OD OFFICE OF THE DIRECTOR, NIH

PE DIVISION OF PHYSICIAN AND HEALTH PROFESSIONS EDUCATION

RG DIVISION OF RESEARCH GRANTS

RR DIVISION OF RESEARCH RESOURCES

RS DIVISION OF RESEARCH SERVICES

TW FOGARTY INTERNATIONAL CENTER

SYMBOLS USED TO IDENTIFY TYPE OR LEVEL OF FELLOWSHIP AND RESEARCH CAREER PROGRAM AWARD

THE ABBREVIATION FOLLOWING THE DEPARTMENT OR PROJECT TITLE IDENTIFIES THE TYPE AND/OR LEVEL OF AWARD

F02	POSTDOCTORAL FELLOWSHIP
F03	SPECIAL (INDIVIDUAL) FELLOWSHIP
F04	NURSING FELLOWSHIP
F05	INTERNATIONAL FELLOWSHIP
F10	FELLOWSHIP TRAINEESHIP
F11	DIRECT TRAINEESHIP
F13	HEALTH SCIENCE SCHOLAR
F15	FOGARTY INTERNATIONAL SCHOLARSHIP
K04	MODIFIED RESEARCH CAREER DEVELOPMENT AWARD
K07	ACADEMIC CAREER AWARD
K08	CLINICAL INVESTIGATOR CAREER AWARD

SUMMARY OF NEW NIH GRANTS AND AWARDS ANNOUNCED DURING JUNE 1973

INSTITUTE OR DIVISION	RESEARCH GRANTS		RESEARCH CONTRACTS		RESEARCH TRAINING GRANTS		RESEARCH FELLOWSHIPS		RESEARCH CAREER PROGRAM AWARDS		EDUCATION GRANTS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS	
	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS
AM											18	859,749				
AI	46	1,492,511	2	83,745	1	36,808										
AM	11	405,659	4	134,336	3	81,319	2	14,396	1	29,160						
CA	53	5,938,289														
CB			7	556,855												
CM			1	34,916												
CN			10	1,129,674												
CP			15	1,736,491												
DH			2	14,307												
ES	5	301,262														
EY	8	324,217	2	110,393												
GM	67	2,560,368														
HD	2	295,039	20	1,284,814												
HL	17	661,281	25	1,579,247	4	222,870										
LM	5	120,089	14	888,337											24	255,096
MB			2	29,627												
MI			2	32,552												
NS	1	30,600	5	1,423,266												
NU	5	222,733														
PE			2	590,000												
RR	18	1,319,343														
TW							12	153,648								
	238	13,671,391	113	9,628,560	8	340,997	14	168,044	1	29,160	18	859,749			24	255,096

*INCLUDES DIRECT COSTS ONLY FOR RESEARCH GRANTS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA			
MOBILE			
UNIVERSITY OF SOUTH ALABAMA			
HL15567-01	HURST, MAX W	CARDIOVASCULAR PHOSPHOINOSITIDE METABOLISM	17,295
INSTITUTION TOTAL	1	17,295	
CITY TOTAL	1	17,295	
MONTGOMERY			
ALABAMA STATE UNIVERSITY			
RR08098-01	OLIVIERE, JAMES	BIOMEDICAL RESEARCH PROJECTS	36,143
INSTITUTION TOTAL	1	36,143	
CITY TOTAL	1	36,143	
TUSCALOOSA			
STILLMAN COLLEGE			
RR08021-01	EARNEST, CHARLES M	DEVELOPMENT OF BIOMEDICAL RESEARCH CAPABILITIES	53,829
INSTITUTION TOTAL	1	53,829	
CITY TOTAL	1	53,829	
TUSKEGEE INSTITU			
TUSKEGEE INSTITUTE			
RR08091-01	HENDERSON, J H	DEVELOPMENT OF BIOMEDICAL RESEARCH CAPABILITIES	171,173
INSTITUTION TOTAL	1	171,173	
CITY TOTAL	1	171,173	
UNIVERSITY			
UNIVERSITY OF ALABAMA			
GM20547-01	HARDMAN, JOHN K	TRYPTOPHAN SYNTHETASES:STRUCTURAL & CATALYTIC PROPERTIES	23,837
INSTITUTION TOTAL	1	23,837	
CITY TOTAL	1	23,837	
STATE TOTAL	5	302,277	
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA			
CA14223-01	BARTELS, PETER H	MEASUREMENT OF CELL RESPONSE TO ANTICANCER DRUGS	127,732

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA			
NU00460-01A1	DE WALT, EVELYN M	EFFECTS OF TIMED HYGIENIC MEASURES ON ORAL MUCOSA	29,675
AI11366-01	SINSKI, JAMES T	ANALYSIS OF CELL RESPONSE TO COCCIDIOIDAL ANTIGENS	19,513
INSTITUTION TOTAL	3	176,920	
CITY TOTAL	3	176,920	
STATE TOTAL	3	176,920	
ARKANSAS			
FAYETTEVILLE			
UNIVERSITY OF ARKANSAS			
GM20488-01	MILLETT, FRANCIS S	NMR STUDIES OF MEMBRANE BOUND PROTEINS	31,092
INSTITUTION TOTAL	1	31,092	
CITY TOTAL	1	31,092	
STATE TOTAL	1	31,092	
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY			
RR00719-01A1	BURLINGAME, A L	BIOMEDICAL, CLINICAL MASS SPECTROMETRY RESOURCE	145,359
EY00966-01	MANDELL, ROBERT B	CORNEAL EFFECTS OF FLEXIBLE CONTACT LENSES	25,990
CA14097-01	SCHACHMAN, HOWARD K	CANCER RESEARCH PROGRAM: VIRUSES; CONTROL MECHANISMS	120,464
GM20550-01	THOMAS, GARETH	RADIATION DAMAGE ABOVE 1 MEV IN BIOLOGICAL E.M.	27,000
GM20509-01	ZUSMAN, DAVID R	STUDIES ON CELL DIVISION & MORPHOGENESIS IN BACTERIA	21,595
INSTITUTION TOTAL	5	340,408	
CITY TOTAL	5	340,408	
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
GM20492-01	RICK, CHARLES M	CYTOGENETICS OF DIFFERENTIATED CHROMOSOMES	18,663
INSTITUTION TOTAL	1	18,663	
CITY TOTAL	1	18,663	
DUARTE			
CITY OF HOPE MEDICAL CENTER			
GM20395-01	HOLDEN, JOSEPH T	FACTORS AFFECTING BACTERIAL TRANSPORT SYSTEM ACTIVITY	26,400

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	26,400	
CITY TOTAL	1	26,400	
CALIFORNIA			
IRVINE			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE			
CA14638-01	HALL, PETER F	AN ADRENAL TUMOR: CYTOCHROME P.450 AND STEROIDOGENESIS	48,389
INSTITUTION TOTAL	1	48,389	
CITY TOTAL	1	48,389	
LA JOLLA			
SALK INSTITUTE FOR BIOLOGICAL STUDIES			
AI11092-01A1	WATSON, JAMES D	THE INDUCTION OF ANTIBODY SYNTHESIS	36,900
INSTITUTION TOTAL	1	36,900	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
GM20412-01	GROSS, STEPHEN R	BIOCHEMISTRY OF INHERITED VARIATIONS IN DRUG RESPONSE	29,991
AM17334-01	PARKER, DONAL C	RELEASE OF HGH, HPRL, HLH AND HFSH IN SLEEP-WAKE CYCLES	61,460
GM20259-01	ZIMM, BRUNO H	PHYSICAL STUDIES OF THE LAC REPRESSOR	17,500
INSTITUTION TOTAL	3	108,951	
CITY TOTAL	4	145,851	
LOS ANGELES			
CALIFORNIA STATE UNIVERSITY AND COLLEGES--CALIFORNIA STATE UNIVERSITY, LOS ANGELES			
RR08101-01	FERGUSON, LLOYD N	MINORITY STUDENT TRAINING FOR BIOMEDICAL RESEARCH	72,172
INSTITUTION TOTAL	1	72,172	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
GM20080-01	FOOTE, CHRISTOPHER S	PHOTOOXIDATION IN MODEL BIOLOGICAL SYSTEMS	39,707
CA13666-01A1	HAYS, ESTHER F	COLONY FORMING CELLS IN BONE MARROW	21,421
CA14846-01	PILCH, YOSEF H	MECHANISM OF ACTION OF ANTITUMOR "IMMUNE" RNA	26,404
CA14868-01	WALL, RANDOLPH	MESSENGER RNA BIOGENESIS IN VIRUS TRANSFORMED CELLS	50,216
INSTITUTION TOTAL	4	137,748	
UNIVERSITY OF SOUTHERN CALIFORNIA			
CA14221-01	BAUMGARTNER, WERNER A	ANTIOXIDANTS IN SENESCING AND IN NEOPLASTIC CELLS	28,978

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF SOUTHERN CALIFORNIA			
CA14089-01	HAMMOND, G DENMAN	PILOT MULTIDISCIPLINARY CANCER RESEARCH PROGRAM	1,676,561
INSTITUTION TOTAL	2	1,705,539	
CITY TOTAL	7	1,915,459	
MENLO PARK			
STANFORD RESEARCH INSTITUTE			
HL16330-01	EVANS, MICHAEL J	AGING-TISSUE INJURY AND REPAIR	28,849
INSTITUTION TOTAL	1	28,849	
CITY TOTAL	1	28,849	
OAKLAND			
CHILDREN'S HOSPITAL MEDICAL CENTER OF NORTHERN CALIFORNIA			
GM19837-01A1	BARTLEY, JOHN C	COORDINATION OF INTRACELLULAR ACTIVITIES	31,539
INSTITUTION TOTAL	1	31,539	
CITY TOTAL	1	31,539	
SAN FRANCISCO			
ENVIRONMENTAL MUTAGEN SOCIETY			
ES00948-01	WOLFF, SHELDON	FIRST INTERNATIONAL CONFERENCE ON ENVIRONMENTAL MUTAGENS	5,000
INSTITUTION TOTAL	1	5,000	
INSTITUTE OF MEDICAL SCIENCES			
HL14926-01A1	HILL, J DONALD	CEREBRAL FAT EMBOLI ASSOCIATED WITH CARDIAC SURGERY	43,489
EY01186-01	JAMPOLSKY, ARTHUR	THE VISUAL SCIENCES RESEARCH CENTER GRANT	122,115
INSTITUTION TOTAL	2	165,604	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
LM02024-01	AUDY, J RALPH	CHIGGER MITES OF THE WORLD: LEPTOTROMBIDIUM COMPLEX	19,364
GM19989-01	MILLER, EARL R	READING METHODS & IMAGE QUALITY VS X-RAY READING ERROR	49,000
AI11540-01	RUDNICK, ALBERT	THE FOREST CYCLES OF DENGUE IN MALAYSIA	42,015
LM01843-01	STARKWEATHER, JOHN A	AN EXPANDABLE SYSTEM FOR COMPUTER-BASED LEARNING	23,855
GM20633-01	TRUNKEY, DONALD D	CELL MEMBRANE TRANSPORT DURING SHOCK	42,891
GM19998-01	WILLIAMS, JOHN A	ROLE OF CELL MEMBRANE IN HORMONE SECRETION AND ACTION	45,200
INSTITUTION TOTAL	6	222,325	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
SAN FRANCISCO			
UNIVERSITY OF THE PACIFIC			
LM01654-01A1	COLENBRANDER, AUGUST	NOMENCLATURE FOR OPHTHALMOLOGY	41,600
INSTITUTION TOTAL	1	41,600	
CITY TOTAL	10	434,529	
SANTA CRUZ			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SANTA CRUZ			
GM20401-01	POODRY, CLIFTON A	GENETIC CONTROL OF DEVELOPMENT, USING DROSOPHILA	26,280
INSTITUTION TOTAL	1	26,280	
CITY TOTAL	1	26,280	
SANTA MONICA			
RAND CORPORATION			
CA14088-01	AROESTY, JEROME	DECISION-AIDING METHODOLOGY FOR LEUKEMIA CHEMOTHERAPY	90,000
INSTITUTION TOTAL	1	90,000	
CITY TOTAL	1	90,000	
STANFORD			
STANFORD UNIVERSITY			
CA14835-01	KORN, DAVID	DNA POLYMERASES IN NORMAL AND NEOPLASTIC HUMAN CELLS	34,107
GM19554-01	MOSHER, HARRY S	CHIRAL HYDRIDE TRANSFER AGENTS	16,654
INSTITUTION TOTAL	2	50,761	
CITY TOTAL	2	50,761	
STATE TOTAL	35	3,157,128	
COLORADO			
DENVER			
DENVER HEALTH AND HOSPITALS DEPARTMENT--DENVER GENERAL HOSPITAL			
GM20309-01	EISEMAN, BEN	STUDIES IN ACUTE TRAUMA	200,000
INSTITUTION TOTAL	1	200,000	
UNIVERSITY OF COLORADO MEDICAL CENTER			
CA14720-01	MORFIT, H MASON	EXPLORATORY STUDIES IN CANCER RESEARCH	94,035

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
GM20457-01	MURPHY, ROBERT C	GC-MS AND STABLE ISOTOPES IN PHARMACOLOGICAL RESEARCH	145,270
INSTITUTION TOTAL	2	239,305	
UNIVERSITY OF DENVER			
GM20561-01	YORK, SHELDON S	STRUCTURE OF THE OPERATOR SITE ON THE LAC REPRESSOR	19,000
INSTITUTION TOTAL	1	19,000	
CITY TOTAL	4	458,305	
STATE TOTAL	4	458,305	
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
CA15544-01	BERLIN, RICHARD D	EFFECT OF MICROTUBULAR PROTEINS ON CELL SURFACES	56,802
AI11526-01	WARD, PETER A	CHEMOTACTIC FACTOR INACTIVATOR AND PULMONARY EMPHYSEMA	40,908
INSTITUTION TOTAL	2	97,710	
CITY TOTAL	2	97,710	
NEW HAVEN			
YALE UNIVERSITY			
GM20001-01	HIGGINS, JOAN A	BIOGENESIS OF CELLULAR MEMBRANES	29,000
AI11611-01	HORSTMANN, DOROTHY M	CLINICAL VIROLOGY OF UPSTEIN-BARR VIRUS INFECTIONS	74,918
AI11077-01	KANTOR, FRED S	INTERPLAY OF HUMORAL FACTORS IN CELLULAR IMMUNITY	68,894
INSTITUTION TOTAL	3	172,812	
CITY TOTAL	3	172,812	
STORRS			
UNIVERSITY OF CONNECTICUT			
AI11573-01	SCHUSTER, TODD M	BIOPHYSICAL STUDIES OF VIRUS ASSEMBLY	58,002
INSTITUTION TOTAL	1	58,002	
CITY TOTAL	1	58,002	
STATE TOTAL	6	328,524	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
DELAWARE			
WILMINGTON			
WILMINGTON MEDICAL CENTER			
CA14813-01	FRELICK, ROBERT W	EXPLORATORY STUDIES IN CANCER RESEARCH	111,425
INSTITUTION TOTAL	1	111,425	
CITY TOTAL	1	111,425	
STATE TOTAL	1	111,425	
DIST OF COL			
WASHINGTON			
GEORGE WASHINGTON UNIVERSITY			
CA13446-01A1	MC GOWAN, LARRY	GYNECOLOGIC ONCOLOGY GROUP	39,314
INSTITUTION TOTAL	1	39,314	
GEORGETOWN UNIVERSITY			
HL15510-01	KOT, PETER A	AN IN VITRO MODEL FOR STUDYING SICKLE CELL DISEASE	15,000
EY00988-01A1	LEMP, MICHAEL A	STUDIES ON THE BREAKUP OF THE TEAR FILM	18,555
INSTITUTION TOTAL	2	33,555	
CITY TOTAL	3	72,869	
STATE TOTAL	3	72,869	
FLORIDA			
MIAMI			
UNIVERSITY OF MIAMI			
CA14395-01	LESSNER, HOWARD E	CANCER RESEARCH CENTER OF GREATER MIAMI	584,656
CA14464-01	LOEWENSTEIN, WERNER R	A PROGRAM ON THE ETIOLOGY AND DIAGNOSIS OF CANCER	171,737
AM16940-01	WOESSNER, J FREDERICK, JR	HUMAN CARTILAGE PROTEASES IN ARTHRITIS	38,587
INSTITUTION TOTAL	3	794,980	
CITY TOTAL	3	794,980	
TALLAHASSEE			
STATE UNIVERSITY OF FLORIDA SYSTEM--FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY			
RR08111-01	TTERLIKKIS, LAMBROS	NUCLEOSIDE ANALOGS WITH ANTITUMOR ACTIVITY	94,930
INSTITUTION TOTAL	1	94,930	
CITY TOTAL	1	94,930	
STATE TOTAL	4	889,910	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR		TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
GEORGIA				
ATHENS				
UNIVERSITY OF GEORGIA				
GM20160-01	VAPNEK, DANIEL		INTERMEDIATES IN DNA REPLICATION IN E COLI	26,388
INSTITUTION TOTAL		1	26,388	
CITY TOTAL		1	26,388	
ATLANTA				
EMORY UNIVERSITY				
CA14712-01	EGAN, ROBERT L		DIAGNOSTIC BREAST CANCER - HIGH RISK GROUPS	103,491
INSTITUTION TOTAL		1	103,491	
CITY TOTAL		1	103,491	
AUGUSTA				
MEDICAL COLLEGE OF GEORGIA				
AI11173-01	ISRAEL, J VANCE		PHAGE P22: IN VITRO ASSEMBLY AND MODE OF ATTACHMENT	8,906
INSTITUTION TOTAL		1	8,906	
PAINE COLLEGE				
RR08096-01	DAVIS, FRANK R		BIOMEDICAL RESEARCH WITH STUDENT PARTICIPATION	25,082
INSTITUTION TOTAL		1	25,082	
CITY TOTAL		2	33,988	
STATE TOTAL		4	163,867	
ILLINOIS				
CHAMPAIGN				
HARLAN E. MOORE HEART RESEARCH FOUNDATION				
HL15504-01	KUMMEROW, FRED A		ANIMAL MODEL FOR STUDIES ON AVERTING ATHEROSCLEROSIS	29,824
INSTITUTION TOTAL		1	29,824	
CITY TOTAL		1	29,824	
CHICAGO				
ILLINOIS INSTITUTE OF TECHNOLOGY				
AI11014-01	BUSH, C ALLEN		STRUCTURE AND CONFORMATION OF OLIGOSACCHARIDES	29,895
INSTITUTION TOTAL		1	29,895	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
CHICAGO			
JOHN CRERAR LIBRARY			
LM01397-01	PLETZKE, CHESTER J	STUDY OF A UNION CATALOG SYSTEM	21,861
INSTITUTION TOTAL	1	21,861	
MICHAEL REESE HOSPITAL AND MEDICAL CENTER			
CA13307-01	OVADIA, JACQUES	RADIATION SENSITIZATION MECHANISMS IN CANCER THERAPY	69,442
INSTITUTION TOTAL	1	69,442	
NORTHWESTERN UNIVERSITY			
AM16326-01A1	ANDERSON, BYRON E	STUDIES ON RHEUMATOID ARTHRITIS	43,976
CA14694-01	KAHAN, BARRY D	AN IMMUNOLOGIC APPROACH TO TROPHOBLASTIC NEOPLASIA	40,000
AI10980-01	POTTER, ELIZABETH V	RHEUMATOGENIC AND NEPHRITOGENIC INFECTIONS	25,608
INSTITUTION TOTAL	3	109,584	
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER			
HL15817-01	COLE, EDMOND R	STUDY OF PLASMINOGEN ACTIVATORS FROM TISSUES	33,310
INSTITUTION TOTAL	1	33,310	
UNIVERSITY OF CHICAGO			
CA14898-01	KIRSTEN, WERNER H	TRANSFORMATION OF HUMAN CELLS	61,709
GM19915-01	RINGO, GEORGE R	DEVELOPMENT OF ION-MICROPROBE ANALYZER FOR BIOLOGY	62,710
INSTITUTION TOTAL	2	124,419	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
AI11234-01	KNIGHT, KATHERINE L	STRUCTURE AND GENETIC CONTROL OF RABBIT IGA	36,614
EY01159-01	PEYMAN, GHOLAM A	FULL THICKNESS EYEWALL RESECTION AND UVEAL MELANOMA	25,314
AI11351-01	WAWSZKIEWICZ, EDWARD J	STRUCTURE & FUNCTION OF THE WATER-SOLUBLE PACIFARINS	16,623
INSTITUTION TOTAL	3	78,551	
CITY TOTAL	12	467,062	
EVANSTON			
NORTHWESTERN UNIVERSITY			
GM20048-01	MARGOLIASH, EMANUEL	AMINO ACID SEQUENCES-AUTOMATIC INTEGRATED PROCEDURES	138,842
GM20334-01	WU, TAI T	GENETIC MANIPULATION OF BACTERIA FOR ABNORMAL GROWTH	15,692
INSTITUTION TOTAL	2	154,534	
CITY TOTAL	2	154,534	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
URBANA			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA			
AI11858-01	SAVAGE, DWAYNE C	INFLUENCES OF NORMAL MICROFLORA ON GUT HISTOLOGY	21,611
HD07624-01	SEGRE, DIEGO	PARAMETERS OF THE IMMUNE RESPONSE IN AGED MICE	24,592
INSTITUTION TOTAL	2	46,203	
CITY TOTAL	2	46,203	
STATE TOTAL	17	697,623	
INDIANA			
INDIANAPOLIS			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS			
AI10892-01	BAEHNER, ROBERT L	LEUKOCYTE METABOLISM RELATED TO RECURRENT INFECTION	33,107
INSTITUTION TOTAL	1	33,107	
CITY TOTAL	1	33,107	
LAFAYETTE			
PURDUE UNIVERSITY			
GM19907-01	MARKLEY, JOHN L	NMR STUDIES OF SELECTIVELY C-13 ENRICHED PROTEINS	25,681
ES00921-01	MIYA, TOM S	CADMIUM-INDUCED PROLONGATION OF DRUG ACTION	33,921
INSTITUTION TOTAL	2	59,602	
CITY TOTAL	2	59,602	
STATE TOTAL	3	92,709	
IOWA			
AMES			
IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY			
AI11346-01	IMSANDE, JOHN	REGULATION OF GENE EXPRESSION	23,060
INSTITUTION TOTAL	1	23,060	
CITY TOTAL	1	23,060	
IOWA CITY			
UNIVERSITY OF IOWA			
EY01074-01	BAKER, ROBERT G	EYE MOVEMENT: PHYSIOLOGICAL ORGANIZATION	36,943
AI11416-01	DONTA, SAM T	CHOLERA TOXIN AND ADRENAL CELLS IN TISSUE CULTURE	23,737

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
NU00467-01	JACOX, ADA K	PAIN ALLEVIATION THROUGH NURSING INTERVENTION	89,689
INSTITUTION TOTAL	3	150,369	
CITY TOTAL	3	150,369	
STATE TOTAL	4	173,429	
KANSAS			
MANHATTAN			
KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE			
CA15506-01	BURLINGHAM, BYRON T	ISOLATION OF MOLLUSCUM CONTAGIOSUM VIRUS	36,137
INSTITUTION TOTAL	1	36,137	
CITY TOTAL	1	36,137	
STATE TOTAL	1	36,137	
LOUISIANA			
GRAMBLING			
GRAMBLING COLLEGE			
RR08054-01	HILL, FRANKLIN D	BIOMEDICAL RESEARCH SUPPORT PROGRAM	55,700
INSTITUTION TOTAL	1	55,700	
CITY TOTAL	1	55,700	
NEW ORLEANS			
TULANE UNIVERSITY			
AI11536-01	KRUPP, IRIS M	INFLUENCE OF ANTIBODIES ON AMEBIC DISEASE	20,030
AI11845-01	PIERCE, WILLIAM A, JR	IMMUNITY VS GONORRHEA	30,349
INSTITUTION TOTAL	2	50,379	
CITY TOTAL	2	50,379	
STATE TOTAL	3	106,079	
MAINE			
SALSBURY COVE			
MOUNT DESERT ISLAND BIOLOGICAL LABORATORY			
ES00920-01	KINTER, WILLIAM B	DDT INHIBITION OF AVIAN SHELL AND SALT GLAND ENZYMES	31,306
INSTITUTION TOTAL	1	31,306	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	31,306	
STATE TOTAL	1	31,306	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
HL15576-01	CONTI, C RICHARD	VELOCITY OF AORTIC BLOOD FLOW IN MYOCARDIAL ISCHEMIA	40,723
EY01019-01	FARRELL, RICHARD A	LIGHT SCATTERING & ULTRASTRUCTURAL STUDIES OF THE CORNEA	38,739
AI11430-01	HILLIS, WILLIAM D	VIRAL ETIOLOGY OF HUMAN RENAL DISEASE	22,642
GM20122-01	PIGIET, VINCENT P, JR	STRUCTURAL BASIS FOR REGULATION OF RIBOTIDE REDUCTASE	47,491
HL15565-01	WEISFELDT, MYRON L	VENTRICULAR RELAXATION IN MYOCARDIAL ISCHEMIA	55,000
INSTITUTION TOTAL	5	204,595	
CITY TOTAL	5	204,595	
CATONSVILLE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS			
GM20211-01	HAYS, JOHN B	PROTEIN/MEMBRANE FUNCTION DURING SUGAR TRANSPORT	29,000
INSTITUTION TOTAL	1	29,000	
CITY TOTAL	1	29,000	
STATE TOTAL	6	233,595	
MASSACHUSETTS			
AMHERST			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS AT AMHERST			
GM19848-01	LEVIN, BRUCE R	PROTEIN VARIATION AND SELECTION MECHANISMS IN E. COLI	29,786
INSTITUTION TOTAL	1	29,786	
CITY TOTAL	1	29,786	
BOSTON			
BETH ISRAEL HOSPITAL			
CA13897-01A1	WILKINSON, HAROLD A	BRAIN TUMOR CHEMOTHERAPY WITH SEMIPERMEABLE MEMBRANES	20,000
INSTITUTION TOTAL	1	20,000	
HARVARD UNIVERSITY			
LM01842-01	BARGER, A CLIFFORD	PREPARATION OF BIOGRAPHY OF WALTER BRADFORD CANNON	13,409

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
GM20630-01A1	BLACKBURN, GEORGE L	NEW CONCEPTS IN PARENTERAL PROTEIN SPARING THERAPY	45,347
GM19866-01	COLMAN, ROBERTA F	AFFINITY LABELS OF NUCLEOTIDE SITES IN DEHYDROGENASES	20,865
AI11438-01	RAVIOLA, ELIO	ULTRASTRUCTURAL ASPECTS OF CELLULAR IMMUNITY	32,923
GM20549-01	TISHLER, PETER V	FLUORESCENCE AND ELECTRON MICROSCOPY OF CHROMOSOMES	17,510
INSTITUTION TOTAL	5	130,054	
MASSACHUSETTS GENERAL HOSPITAL			
CA14294-01	ISSELBACHER, KURT J	TUMOR ASSOCIATED CHANGES OF INTESTINAL CELLS	220,628
CA14630-01	SCOTT, JESSE F	TURNOVER OF RIBOSOMAL RNA IN VIRUS TRANSFORMED CELLS	23,112
INSTITUTION TOTAL	2	243,740	
TUFTS UNIVERSITY			
CA14939-01	TEVETHIA, SATVIR S	BIOLOGY OF SV40 SPECIFIC TRANSPLANTATION ANTIGEN	121,187
INSTITUTION TOTAL	1	121,187	
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS AT BOSTON			
GM19645-01	LAUFER, DANIEL A	SYNTHESIS AND CONFORMATION OF CYCLIC TETRAPEPTIDES	20,000
INSTITUTION TOTAL	1	20,000	
CITY TOTAL	10	534,981	
CAMBRIDGE			
HARVARD UNIVERSITY			
GM20470-01	BOGORAD, LAWRENCE	MOLECULAR MECHANISMS OF INTRACELLULAR INTEGRATION	46,755
GM20396-01	BRANTON, DANIEL	ORGANIZATION OF NORMAL AND TRANSFORMED CELL MEMBRANES	170,000
INSTITUTION TOTAL	2	216,755	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
GM20370-01	BARRETT, ALAN H	NON-INVASIVE SENSING OF SUB-CUTANEOUS TEMPERATURES	28,000
EY01115-01	KALIL, RONALD E	DEVELOPMENTAL STUDIES OF THE VISUAL SYSTEM	11,885
AM16118-01A1	RADIN, ERIC L	AN INVESTIGATION OF JOINT DEGENERATION	54,241
GM20958-01	WILLIAMS, LUTHER S	REGULATION OF AMINOACYL-TRNA SYNTHETASE FORMATION	35,000
INSTITUTION TOTAL	4	129,126	
CITY TOTAL	6	345,881	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
SOUTH HADLEY			
MOUNT HOLYOKE COLLEGE			
GM20312-01	JONES, THEODORE C	ENZYME LOCALIZATION IN MICROORGANISMS	21,898
INSTITUTION TOTAL	1	21,898	
CITY TOTAL	1	21,898	
WALTHAM			
BRANDEIS UNIVERSITY			
GM20168-01	REDFIELD, ALFRED G	STRUCTURAL KINETIC STUDIES BY NUCLEAR MAGNETIC RESONANCE	38,000
INSTITUTION TOTAL	1	38,000	
CITY TOTAL	1	38,000	
WORCESTER			
UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL			
AI10806-01	TIPPER, DONALD J	CONTROL OF BACTERIAL CELL-WALL SYNTHESIS AND BREAKDOWN	54,406
INSTITUTION TOTAL	1	54,406	
CITY TOTAL	1	54,406	
STATE TOTAL	20	1,024,952	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
CA14790-01	FARAS, ANTHONY J	RNA-DIRECTED DNA POLYMERASE & 70S RNA OF ONCORNAVIRUSES	48,396
INSTITUTION TOTAL	1	48,396	
CITY TOTAL	1	48,396	
DETROIT			
WAYNE STATE UNIVERSITY			
GM20201-01	KING, ALBERT I	STRUCTURAL AND MECHANICAL PROPERTIES OF THE SPINE	28,270
AI10996-01A1	LEVINE, SEYMOUR	RESPIRATORY SYNCYTIAL VIRUS ASSEMBLY AND MATURATION	46,913
INSTITUTION TOTAL	2	75,183	
CITY TOTAL	2	75,183	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MICHIGAN			
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
AI11493-01	PATTERSON, RONALD J	CONTROL OF IMMUNOGLOBULIN SYNTHESIS IN MYELOMA CELLS	41,349
INSTITUTION TOTAL	1	41,349	
CITY TOTAL	1	41,349	
STATE TOTAL	4	164,928	
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
GM19957-01	DWORKIN, MARTIN	CELL-CELL INTERACTIONS IN THE MYXOBACTERIA	28,575
INSTITUTION TOTAL	1	28,575	
CITY TOTAL	1	28,575	
ROCHESTER			
MAYO FOUNDATION			
CA15494-01	MEYERS, PAUL	TOLERANCE & IMMUNITY TO AVIAN RNA TUMOR VIRUSES AND VISA	47,540
CA13650-01	MOERTEL, CHARLES G	EASTERN COOPERATIVE ONCOLOGY GROUP	70,425
INSTITUTION TOTAL	2	117,965	
CITY TOTAL	2	117,965	
STATE TOTAL	3	146,540	
MISSISSIPPI			
LORMAN			
ALCORN AGRICULTURAL AND MECHANICAL COLLEGE			
RR08095-01	PARKER, HENRY L	IMMUNO CHEMISTRY OF CELLULASE - ANTICOAGULANTS	32,922
INSTITUTION TOTAL	1	32,922	
CITY TOTAL	1	32,922	
TOUGALOO			
TOUGALOO COLLEGE			
RR08110-01	ASOKASRINIVASAN, G S	BIOMEDICAL RESEARCH PROGRAM	54,985
INSTITUTION TOTAL	1	54,985	
CITY TOTAL	1	54,985	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	2	87,907	
MISSOURI			
COLUMBIA			
CANCER RESEARCH CENTER			
GM20131-01	BROWN, HARRY D	MICROCALORIMETRY FOR CLINICAL CHEMISTRY	32,527
INSTITUTION TOTAL	1	32,527	
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA			
GM20111-01	ORTWERTH, BERYL J	THE ROLE OF TRANSFER RNA IN THE CONTROL OF CELL DIVISION	19,674
HL15439-01	SCHUDER, JOHN C	MINIMALLY-INVASIVE STIMULATION WITH IMPLANTED DIODE	29,580
GM20621-01	ULETT, GEORGE A	HYPNO- AND ACUPUNCTURE ANALGESIA - PHYSIOLOGICAL STUDY	34,856
INSTITUTION TOTAL	3	84,110	
CITY TOTAL	4	116,637	
SAINT LOUIS			
ST. LOUIS UNIVERSITY			
GM19786-01	COSCIA, CARMINE J	FEEDBACK INHIBITION OF INDOLE ALKALOID BIOSYNTHESIS	13,118
GM20639-01	LOZERON, HOMER A	TRANSCRIPTIONAL CONTROLS IN PROVIRAL AND VIRAL SYSTEMS	30,958
INSTITUTION TOTAL	2	44,076	
WASHINGTON UNIVERSITY			
GM20064-01	HOLTZER, ALFRED M	PROPERTIES OF ALPHA-HELIX-FORMING SUBSTANCES	26,792
GM20530-01	MATHEWS, F SCOTT	STRUCTURAL STUDIES OF CYTOCHROME B562	39,000
HL15427-01	SCHONFELD, GUSTAV	STUDIES ON THE SECRETION OF PLASMA LIPOPROTEINS	33,454
ES00897-01	SOUTHERN, PAUL M, JR	ROLE OF AIR POLLUTANTS IN AIRBORNE INFECTION	32,454
INSTITUTION TOTAL	4	131,700	
CITY TOTAL	6	175,776	
STATE TOTAL	10	292,413	
NEBRASKA			
LINCOLN			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA AT LINCOLN			
CA14766-01	SHUBIK, PHILIPPE	STUDIES IN TUMOR ANGIOGENESIS AND INVASIVENESS	27,327
INSTITUTION TOTAL	1	27,327	
CITY TOTAL	1	27,327	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEBRASKA			
OMAHA			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER			
CA14826-01	CAVALIERI, ERCOLE L	QUANTITATIVE STUDY OF CARCINOGENESIS BY HYDROCARBONS	47,033
CA14659-01	GRANDJEAN, CARTER J	NITROSAMINES: METABOLIC MECHANISM(S) & MODE OF ACTION	35,302
CA14710-01	STENBACK, FREJ G	A STUDY OF THE IRREVERSIBILITY OF LATENT TUMOR CELLS	22,300
INSTITUTION TOTAL	3	104,635	
CITY TOTAL	3	104,635	
STATE TOTAL	4	131,962	
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
GM20379-01	TRUMPOWER, BERNARD	STRUCTURE AND FUNCTION OF HEART MEMBRANE PROTEINS	30,000
INSTITUTION TOTAL	1	30,000	
CITY TOTAL	1	30,000	
STATE TOTAL	1	30,000	
NEW JERSEY			
NEW BRUNSWICK			
RUTGERS--THE STATE UNIVERSITY			
GM20367-01	NIEDERMAN, ROBERT A	MOLECULAR ASPECTS OF MEMBRANE DEVELOPMENT	27,000
INSTITUTION TOTAL	1	27,000	
CITY TOTAL	1	27,000	
PRINCETON			
PRINCETON UNIVERSITY			
GM19658-01	SCHWARTZ, JEFFREY	THE CYCLIZATION OF METAL-COMPLEXED POLYOLEFINS	16,093
INSTITUTION TOTAL	1	16,093	
CITY TOTAL	1	16,093	
STATE TOTAL	2	43,093	
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF ALBUQUERQUE			
RR08108-01	PFEIFER, CHARLES H, JR	MINORITY STUDENT BIOMEDICAL RESEARCH PROGRAM	55,000

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	55,000	
CITY TOTAL	1	55,000	
STATE TOTAL	1	55,000	
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH			
AI10998-01	KUSAMA, HIDEO	PERMEABILITY FACTOR OF PSEUDOMONAS AERUGINOSA	9,900
INSTITUTION TOTAL	1	9,900	
CITY TOTAL	1	9,900	
BUFFALO			
MEDICAL FOUNDATION OF BUFFALO			
GM19684-01	DUAX, WILLIAM L	IONOPHORES TRANSPORT AND MEMBRANE STRUCTURE	37,000
INSTITUTION TOTAL	1	37,000	
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
AM16258-01A1	DOBSON, RICHARD L	MECHANISM OF ECCRINE SWEAT GLAND FUNCTION	42,307
HL15424-01	MARKELLO, ROSS	VENTILATION-PERFUSION MISMATCHING IN TRAUMA PATIENTS	17,580
AI11552-01	NOLAN, JAMES P	ROLE OF ENDOTOXIN IN ACUTE AND CHRONIC LIVER INJURY	23,724
CA14611-01	TUFARIELLO, JOSEPH J	OXIDATIVE CYCLIZATION IN ALKALOID SYNTHESIS	40,513
INSTITUTION TOTAL	4	124,124	
CITY TOTAL	5	161,124	
ITHACA			
CORNELL UNIVERSITY			
GM20315-01	LOUDON, G MARC	A NEW REAGENT FOR PROTEIN SEQUENCING AND MODIFICATION	20,376
CA14454-01	RACKER, EFRAIM	MEMBRANES IN NORMAL AND CANCER CELLS	142,050
INSTITUTION TOTAL	2	162,426	
CITY TOTAL	2	162,426	
NEW HYDE PARK			
LONG ISLAND JEWISH-HILLSIDE MEDICAL CENTER			
CA13223-01A1	BENJAMIN, FRED	ENDOCRINE METABOLIC INFLUENCE IN ENDOMETRIAL CARCINOMA	27,270
INSTITUTION TOTAL	1	27,270	
CITY TOTAL	1	27,270	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--CITY COLLEGE OF NEW YORK			
AI10270-01A1	KRUPA, PAUL L	BIOGENESIS OF MEMBRANE ACTIVITIES IN PARASITE LARVAE	10,473
INSTITUTION TOTAL	1	10,473	
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
AI11472-01A1	HIRSCHMAN, SHALOM Z	STUDIES ON HEPATITIS ASSOCIATED ANTIGEN	20,970
ES00928-01	SELIKOFF, IRVING J	ENVIRONMENTAL AGENTS: RELATION TO HUMAN HEALTH EFFECTS	198,581
INSTITUTION TOTAL	2	219,551	
COLUMBIA UNIVERSITY			
CA13861-01A1	GREENBAUM, LOWELL M	CHEMICAL MEDIATORS OF TUMOR CELL ASCITES FLUID	30,641
HL15781-01	HILAL, SADEK K	GUIDED VASCULAR OBLITERATION OF CNS VASCULAR LESIONS	37,434
INSTITUTION TOTAL	2	68,075	
CORNELL UNIVERSITY MEDICAL COLLEGE			
AI11383-01	DICKERMAN, ROBERT W	NEOTROPICAL BATS AND ENCEPHALITIS ARBOVIRUSES	17,582
INSTITUTION TOTAL	1	17,582	
NEW YORK MEDICAL COLLEGE			
AM17347-01	SZABO, ANDREW J	INSULIN SENSITIVE GLUCOREGULATOR IN THE CNS	15,210
INSTITUTION TOTAL	1	15,210	
NEW YORK UNIVERSITY			
GM20176-01	SHAPIRO, ROBERT	DAMAGED DNA: THE STRUCTURE OF DNA CROSS-LINKS	36,000
INSTITUTION TOTAL	1	36,000	
ST. LUKE'S HOSPITAL CENTER			
AM16588-01	BOKKENHEUSER, VICTOR	BACTERIA OF THE GASTROINTESTINAL TRACT	24,950
INSTITUTION TOTAL	1	24,950	
CITY TOTAL	9	391,841	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
AI11550-01	ABRAHAM, GEORGE N	STRUCTURAL STUDIES OF HUMAN MONOCLONAL AUTOANTIBODIES	38,844
HL15790-01	MOSS, ARTHUR J	FOLLOW-UP STUDY OF ACUTE CORONARY HEART ATTACKS	55,814

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
ROCHESTER			
UNIVERSITY OF ROCHESTER			
AM16930-01	ROWLEY, PETER T	HEMOGLOBIN SYNTHESIS IN THALASSEMIA	40,774
AM16847-01	ROWLEY, PETER T	FETAL HB SYNTHESIS CONTROL AND SICKLE CELL ANEMIA	23,124
INSTITUTION TOTAL	4	158,556	
CITY TOTAL	4	158,556	
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK			
GM20052-01	DELIHAS, NICHOLAS	RIBOSOME STRUCTURE - ANALYSIS BY REACTION WITH KETHOXAL	4,800
AI11519-01	STERNGLANZ, ROLF	BACTERIAL AND MAMMALIAN DNA REPLICATION STUDIES	13,080
INSTITUTION TOTAL	2	17,880	
CITY TOTAL	2	17,880	
SYRACUSE			
SYRACUSE UNIVERSITY			
GM19839-01	BALBINDER, ELIAS	GENETIC AND BIOCHEMICAL STUDY OF A MULTIENZYME COMPLEX	35,735
GM19908-01	STERN, S ALEXANDER	INERT GAS NARCOSIS AND THE LIPID "FREE VOLUME"	19,285
INSTITUTION TOTAL	2	55,020	
CITY TOTAL	2	55,020	
UPTON			
ASSOCIATED UNIVERSITIES--BROOKHAVEN NATIONAL LABORATORY			
CA14742-01	CHIKKAPPA, G	NEUTROPHILIC GRANULOCYTOPOIESIS IN LEUKEMIAS	80,042
RR00715-01	SHAW, ELLIOTT N	ELECTRON MICROSCOPE FACILITY	72,275
INSTITUTION TOTAL	2	152,317	
CITY TOTAL	2	152,317	
STATE TOTAL	28	1,136,334	
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
GM20141-01	ADELMAN, MARK R	STUDIES ON BIOLOGICAL MOTILITY	32,988
RR00846-01	WAGNER, JOSEPH L	DUKE ANIMAL RESOURCES PROGRAM IMPROVEMENT	113,521
INSTITUTION TOTAL	2	146,509	
CITY TOTAL	2	146,509	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	2	146,509	
OHIO			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
CA15484-01	COOK, ROBERT T	HISTONE CONTROL OF NUCLEAR DNA POLYMERASE ACTIVITY	17,445
NU00473-01	RICH, ROSEMARY	EVALUATION OF DRY SURFACE ELECTRODES	27,639
INSTITUTION TOTAL	2	45,084	
CITY TOTAL	2	45,084	
COLUMBUS			
OHIO STATE UNIVERSITY			
GM20375-01	BEHRMAN, EDWARD J	BIOCHEMICAL APPLICATIONS OF OSMIUM CHEMISTRY	15,000
GM19607-01	PERLMAN, PHILIP S	MECHANISMS OF MITOCHONDRIAL TRANSMISSION GENETICS	26,000
INSTITUTION TOTAL	2	41,000	
CITY TOTAL	2	41,000	
SPRINGFIELD			
WITTENBERG UNIVERSITY			
AI11556-01	MASON, DAVID L	FUNGAL LYSOSOMES-THEIR OCCURRENCE AND FUNCTION	23,355
INSTITUTION TOTAL	1	23,355	
CITY TOTAL	1	23,355	
STATE TOTAL	5	109,439	
OREGON			
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON MEDICAL SCHOOL			
AI10940-01	BARDANA, EMIL J, JR	PRIMARY BINDING TESTS TO ASSAY CIRCULATING ANTIBODIES	26,307
EY00753-01A1	BURNS, ROBERT P	BIOCHEMICAL CYTOLOGY OF METABOLIC EYE DISEASES	44,676
INSTITUTION TOTAL	2	70,983	
CITY TOTAL	2	70,983	
STATE TOTAL	2	70,983	
PENNSYLVANIA			
BETHLEHEM			
LEHIGH UNIVERSITY			
AI11408-01	CALI, ANN	BIOCONTROL OF SCHISTOSOMES BY USE OF MICROSPORIDANS	18,558

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	18,558	
CITY TOTAL	1	18,558	
PENNSYLVANIA			
PHILADELPHIA			
ACADEMY OF NATURAL SCIENCES			
AI11373-01	DAVIS, GEORGE M	ANALYSIS OF MOLLUSC FAUNAS & S.E. ASIAN SCHISTOSOMIASIS	15,504
INSTITUTION TOTAL	1	15,504	
CHILDREN'S HOSPITAL OF PHILADELPHIA			
AI11466-01	HARRIS, T N	IMMUNOBIOLOGY OF ALLOGRAFT REJECTION IN THE MOUSE	42,930
INSTITUTION TOTAL	1	42,930	
TEMPLE UNIVERSITY			
AI11413-01	ZUBRZYCKI, LEONARD J	MULTIPLE DRUG RESISTANCE OF NEISSERIA GONORRHOEAE	11,901
INSTITUTION TOTAL	1	11,901	
UNIVERSITY OF PENNSYLVANIA			
CA15146-01	GASSER, DAVID L	GENETIC CONTROL OF THE IMMUNE RESPONSE	31,352
CA14193-01	MARSHAK, ROBERT R	COMPARATIVE LEUKEMIA STUDIES UNIT	159,699
GM20222-01	MAZZUR, SCOTT R	A GENETIC STUDY OF ADOPTION AND AUSTRALIA ANTIGEN	19,448
INSTITUTION TOTAL	3	210,499	
CITY TOTAL	6	280,834	
PITTSBURGH			
CARNEGIE-MELLON UNIVERSITY			
AM16143-01A1	CUSSLER, EDWARD L, JR	RATE PROCESSES AFFECTING CHOLESTEROL GALLSTONE FORMATION	41,770
INSTITUTION TOTAL	1	41,770	
CITY TOTAL	1	41,770	
STATE TOTAL	8	341,162	
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY			
GM20171-01	LUSK, JOAN E	MEMBRANE PERMEABILITY IN COLICIN-TREATED CELLS	25,000

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY			
GM20545-01	STEIM, JOSEPH M	SCANNING CALORIMETRY AND DILATOMETRY OF BIOMEMBRANES	39,182
INSTITUTION TOTAL	2	64,182	
CITY TOTAL	2	64,182	
STATE TOTAL	2	64,182	
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
HL15811-01	PENNINGTON, RAYMOND C	SMALL VESSEL PATHOPHYSIOLOGY IN DIABETES MELLITUS	23,000
INSTITUTION TOTAL	1	23,000	
CITY TOTAL	1	23,000	
COLUMBIA			
UNIVERSITY OF SOUTH CAROLINA			
GM20557-01	JAMES, ERIC	THE TRANSCRIPTION CONTROL REGION OF AN ARGININE GENE	25,759
INSTITUTION TOTAL	1	25,759	
CITY TOTAL	1	25,759	
STATE TOTAL	2	48,759	
TENNESSEE			
KNOXVILLE			
KNOXVILLE COLLEGE			
RR08055-01	JAMES, JESSE	BIOMEDICAL RESEARCH PROGRAM	61,783
INSTITUTION TOTAL	1	61,783	
CITY TOTAL	1	61,783	
MEMPHIS			
ST. JUDE CHILDREN'S RESEARCH HOSPITAL			
CA15459-01	MARTEN, GEORGE W	PSYCHOLOGICAL EFFECTS OF CRANIAL IRRADIATION	34,112
INSTITUTION TOTAL	1	34,112	
CITY TOTAL	1	34,112	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
AI11564-01	HARSHMAN, SIDNEY	ALPHA TOXIN; CHEMISTRY AND ACTION ON MEMBRANES	14,527
CA14792-01	ORTH, DAVID N	RADIOIMMUNOASSAY OF MAMMALIAN ONCORNAVIRUS ANTIGENS	52,828
INSTITUTION TOTAL	2	67,355	
CITY TOTAL	2	67,355	
STATE TOTAL	4	163,250	
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
AI11192-01	SUMMERS, MAX D	MECHANISMS OF INFECTION OF MUSQUITOES: ARBOVIRUSES	23,630
INSTITUTION TOTAL	1	23,630	
CITY TOTAL	1	23,630	
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
CA14609-01	GRINNELL, FREDERICK	ADHESION OF NORMAL AND MALIGNANT MAMMALIAN CELLS	42,801
CA14708-01	NEAVES, WILLIAM B	FINE STRUCTURAL ANALYSIS OF ANDROGENIC TUMOR CELLS	30,940
INSTITUTION TOTAL	2	73,741	
CITY TOTAL	2	73,741	
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
CA15397-01	BARRANCO, S C	DRUG SENSITIVITY OF MAMMALIAN CELLS IN PLATEAU PHASE	26,358
CA14466-01	HOLOUBEK, VIKTOR	MECHANISM OF AMINOAZO DYES CARCINOGENESIS	21,361
HL15737-01	TRABER, DANIEL L	THE NATURE AND TREATMENT OF ENDOTOXIC SHOCK	31,124
INSTITUTION TOTAL	3	78,843	
CITY TOTAL	3	78,843	
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
HL15454-01	BAKER, LEE E	QUANTIFICATION OF INTRATHORACIC FLUID BY IMPEDANCE	25,782
GM20154-01	HAZLEWOOD, CARLTON F	PHYSIOLOGICAL ROLE OF WATER IN TISSUES	67,463
HD07495-01A1	O'MALLEY, BERT W	POPULATION RESEARCH AND STUDIES IN REPRODUCTIVE BIOLOGY	270,447
INSTITUTION TOTAL	3	363,692	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS GRADUATE SCHOOL OF BIOMEDICAL SCIENCES AT HOUSTON			
HL15614-01	SCHULL, WILLIAM J	HEREDITY AND OXYGEN: EFFECTS ON HEALTH OF HEART-LUNGS	144,023
INSTITUTION TOTAL	1	144,023	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL SCHOOL AT HOUSTON			
GM20478-01	DOWHAN, WILLIAM	STRUCTURE AND FUNCTION OF MEMBRANE PROTEINS	25,600
CA14821-01	SIRBASKU, DAVID A	STEROID HORMONE CONTROL OF TUMOR CELL GROWTH IN VITRO	39,415
INSTITUTION TOTAL	2	65,015	
CITY TOTAL	6	572,730	
SAN ANTONIO			
INCARNATE WORD COLLEGE			
RR08077-01	HEALY, SISTER MARY D	MULTI-DISCIPLINARY BIOMEDICAL RESEARCH PROGRAM	144,193
INSTITUTION TOTAL	1	144,193	
CITY TOTAL	1	144,193	
STATE TOTAL	13	893,137	
UTAH			
PROVO			
BRIGHAM YOUNG UNIVERSITY			
AM16897-01	GUBLER, CLARK J	BIOCHEMICAL BASES OF BRANCHED-CHAIN KETOACIDURIA	19,260
INSTITUTION TOTAL	1	19,260	
CITY TOTAL	1	19,260	
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
GM20196-01	EPSTEIN, WILLIAM W	STUDIES ON FARNESYL PYROPHOSPHATE COUPLING	21,285
INSTITUTION TOTAL	1	21,285	
CITY TOTAL	1	21,285	
STATE TOTAL	2	40,545	
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
CA15450-01	ALBERTINI, RICHARD J	STUDIES OF MUTATION IN DIPLOID HUMAN SOMATIC CELLS	39,242

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	39,242	
CITY TOTAL	1	39,242	
STATE TOTAL	1	39,242	
VIRGINIA			
BLACKSBURG			
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY			
GM19871-01	SCHMIDT, ROBERT R	GENE-ENZYME CONTROL IN NORMAL AND CANCER CELLS	35,000
INSTITUTION TOTAL	1	35,000	
CITY TOTAL	1	35,000	
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
AI10587-01A1	GILLENWATER, JAY Y	EPIDEMIOLOGY AND HISTORY OF URINARY TRACT INFECTIONS	27,883
INSTITUTION TOTAL	1	27,883	
CITY TOTAL	1	27,883	
PETERSBURG			
VIRGINIA STATE COLLEGE			
RR08090-01	NEWKIRK, ROBERT F	RESEARCH TRAINEE PROGRAM	40,900
INSTITUTION TOTAL	1	40,900	
CITY TOTAL	1	40,900	
STATE TOTAL	3	103,783	
WASHINGTON			
OLYMPIA			
WASHINGTON DEPARTMENT OF SOCIAL AND HEALTH SERVICES			
CA14646-01	MILHAM, SAMUEL	OCCUPATION AND BLADDER CANCER, WASH. STATE 1950-1970	7,768
INSTITUTION TOTAL	1	7,768	
CITY TOTAL	1	7,768	
PULLMAN			
WASHINGTON STATE UNIVERSITY			
AI11440-01	MC FADDEN, BRUCE A	FUNCTION OF ISOCITRATE LYASE IN PARASITIC HELMINTHS	16,169
INSTITUTION TOTAL	1	16,169	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	16,169	
WASHINGTON			
SEATTLE			
PACIFIC NORTHWEST RESEARCH FOUNDATION			
CA14474-01	SHEARER, RUTH W	NUCLEAR-CYTOPLASMIC RNA TRANSPORT IN CARCINOGENESIS	49,600
INSTITUTION TOTAL	1	49,600	
UNIVERSITY OF WASHINGTON			
NU00463-01	BENOLIEL, JEANNE Q	A CARE-CURE PROBLEM: DYING IN TEACHING HOSPITALS	38,708
NU00472-01	MACELVEEN, PATRICIA M	COOPERATION IN HOME DIALYSIS TRIADS AND PATIENT OUTCOMES	37,022
AI11384-01	WEISER, RUSSELL S	STUDIES ON IMMUNITY IN EXPERIMENTAL SYPHILIS	24,451
INSTITUTION TOTAL	3	100,181	
CITY TOTAL	4	149,781	
STATE TOTAL	6	173,718	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN AT MADISON			
AI11576-01	BACH, FRITZ H	PROGRAM PROJECT IN LYMPHOCYTE BIOLOGY	180,000
AI11572-01	HALL, TIMOTHY C	INFECTIVE ROLE OF AMINO ACID BINDING BY VIRAL RNA	12,077
GM20427-01	NOMURA, MASAYASU	GENETICS AND BIOCHEMISTRY OF RIBOSOME BIOSYNTHESIS	88,000
RR00779-01	NORRIS, DALE M	DEFINING XYLEBORUS FOR BIOMEDICAL RESEARCH USE	19,637
CA13628-01A1	OLSON, CARL	PATHOGENESIS OF VIRUS (BOVINE) INDUCED LYMPHOSARCOMA	51,427
CA14520-01	RUSCH, HAROLD P	WISCONSIN CLINICAL CANCER CENTER	709,677
AI11547-01	THOMPSON, WAYNE H	LA CROSSE ARBORVIRUS STUDIES IN FORESTED AREAS	45,389
INSTITUTION TOTAL	7	1,106,207	
CITY TOTAL	7	1,106,207	
STATE TOTAL	7	1,106,207	
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO SYSTEM--UNIVERSITY OF PUERTO RICO AT RIO PIEDRAS			
RR08102-01	ALMODOVAR, ISMAEL	SUPPORT FOR UNIVERSITY BIOMEDICAL EDUCATION	69,739
INSTITUTION TOTAL	1	69,739	
CITY TOTAL	1	69,739	
STATE TOTAL	1	69,739	

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CANADA			
SAINT JOHNS			
MEMORIAL UNIVERSITY OF NEWFOUNDLAND			
CA14704-01	PFEIFFER, CARL J	EPIDEMIOLOGY OF GASTRIC CANCER IN NEWFOUNDLAND	27,478
INSTITUTION TOTAL	1	27,478	
CITY TOTAL	1	27,478	
VANCOUVER			
UNIVERSITY OF BRITISH COLUMBIA			
NS11083-01	WADA, JOHN A	"KINDLING" PREPARATIONS AND ANTIEPILEPTIC DRUGS	30,600
INSTITUTION TOTAL	1	30,600	
CITY TOTAL	1	30,600	
STATE TOTAL	2	58,078	
ISRAEL			
REHOVOTH			
WEIZMANN INSTITUTE OF SCIENCE			
AI11453-01	GIVOL, DAVID	THE VARIABLE FRAGMENT (FV) OF ANTIBODIES	25,146
AI11405-01	SELA, MICHAEL	SYNTHETIC ANTIGENS	41,188
INSTITUTION TOTAL	2	66,334	
CITY TOTAL	2	66,334	
STATE TOTAL	2	66,334	
TOTAL	238	13,671,391	

* DIRECT COSTS ONLY

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
CN35014-00	DURANT, JOHN R	SUPPORT FOR CHEMOTHERAPY PROGRAM	112,807
INSTITUTION TOTAL	1	112,807	
CITY TOTAL	1	112,807	
STATE TOTAL	1	112,807	
CALIFORNIA			
EMERYVILLE			
TECNA CORPORATION			
HD32767-00	KITRILAKIS, SOTIRIS	CLINICAL EVALUATION OF A FLUID-FILLED IUD	51,850
INSTITUTION TOTAL	1	51,850	
CITY TOTAL	1	51,850	
LOMA LINDA			
LOMA LINDA UNIVERSITY			
HL32975-00	JUDKINS, MELVIN P	COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	5,300
INSTITUTION TOTAL	1	5,300	
CITY TOTAL	1	5,300	
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
LM34708-00	NOT APPLICABLE	REGIONAL MEDICAL LIBRARY SERVICES	278,687
INSTITUTION TOTAL	1	278,687	
UNIVERSITY OF SOUTHERN CALIFORNIA			
HD32790-00	BESSMAN, SAMUEL P	STUDY OF HETEROZYGOSITY IN PHENYLKETONURIA	34,270
INSTITUTION TOTAL	1	34,270	
ZEITLIN AND VER BRUGGS BOOKSELLERS			
LM34729-00	NOT APPLICABLE	PURCHASE OF A RARE BOOK	6,750
INSTITUTION TOTAL	1	6,750	
CITY TOTAL	3	319,707	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA			
MENLO PARK			
STANFORD RESEARCH INSTITUTE			
CP33394-00	MAXWELL, A	STUDY OF POTENTIAL PRESCREENS FOR CHEMICAL CARCINOGENS	173,131
INSTITUTION TOTAL	1	173,131	
CITY TOTAL	1	173,131	
MOUNTAIN VIEW			
LEE-MAC			
AI32520-00	MC COY, THOMAS	PRODUCTION OF INTERFERON FROM CELL CULTURES IN VITRO	51,960
INSTITUTION TOTAL	1	51,960	
CITY TOTAL	1	51,960	
PALO ALTO			
AMERICAN INSTITUTES FOR RESEARCH IN THE BEHAVIORAL SCIENCES			
HD32755-00	CLAUDY, JOHN G	CONSEQUENCES OF CHILD-BEARING AND CHILD-SPACING PATTERNS	66,680
INSTITUTION TOTAL	1	66,680	
CITY TOTAL	1	66,680	
SAN FRANCISCO			
SAN FRANCISCO MEDICAL SOCIETY			
HL32986-00	PERKINS, HERBERT A	PLATELET-TYPING & REFRACTORINESS TO PLATELET TRANSFUSION	85,000
INSTITUTION TOTAL	1	85,000	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
EY32116-00	SHAFFER, ROBERT N	SMALL-SCALE TEST OF NERVE-FIBER BUNDLE DEFECTS	24,802
INSTITUTION TOTAL	1	24,802	
CITY TOTAL	2	109,802	
STANFORD			
STANFORD UNIVERSITY			
HL32974-00	ALDERMAN, E L	COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	5,352
CB33905-00	LUCAS, ZOLTON J	STUDY OF INHIBITORS OF CELLULAR IMMUNITY	88,000
INSTITUTION TOTAL	2	93,352	
CITY TOTAL	2	93,352	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA				
VAN NUYS				
BIO-SCIENCE LABORATORIES				
HL32961-00	WYBENGO, DONALD R		STUDY OF BLOOD TOXICITY	260,000
INSTITUTION TOTAL	1	260,000		
CITY TOTAL	1	260,000		
STATE TOTAL	13	1,131,782		
COLORADO				
DENVER				
CHILDREN'S HOSPITAL				
CN35019-00	HOLTON, CHARLENE		CLINICAL CHEMOTHERAPY PROGRAM	67,622
INSTITUTION TOTAL	1	67,622		
UNIVERSITY OF COLORADO MEDICAL CENTER				
PE34057-00	CHASE, H P		STUDENT HEALTH PROGRAM FOR THE RURAL POOR	85,000
INSTITUTION TOTAL	1	85,000		
CITY TOTAL	2	152,622		
STATE TOTAL	2	152,622		
DIST OF COL				
WASHINGTON				
GALLAUDET COLLEGE				
NS32316-00	CORNETT, R ORIN		DEVELOPMENT OF CUES FOR LIPREADING	96,180
INSTITUTION TOTAL	1	96,180		
GEORGE WASHINGTON UNIVERSITY				
EY32131-00	NOT APPLICABLE		PHOTOGRAPHIC TECHNIQUE FOR FLUORESCIEN ANGIOGRAPHY	85,591
INSTITUTION TOTAL	1	85,591		
HERNER & COMPANY				
LM34728-00	NOT APPLICABLE		EVALUATION OF MEDLARS INDEXING	15,670
INSTITUTION TOTAL	1	15,670		
MODERN TALKING PICTURE SERVICE				
LM34727-00	NOT APPLICABLE		DISTRIBUTION OF PRINTS FROM FILM LIBRARY	89,250
INSTITUTION TOTAL	1	89,250		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
DIST OF COL				
WASHINGTON				
NATIONAL ACADEMY OF SCIENCES				
CP33338-00	YAGER, ROBERT H		SUPPORT FOR ANIMAL-CARE FACILITY	20,000
INSTITUTION TOTAL	1	20,000		
PRACTICAL CONCEPTS				
LM34719-00	NOT APPLICABLE		EVALUATION OF MEDICAL INTERACTIVE TV NETWORK	22,319
INSTITUTION TOTAL	1	22,319		
CITY TOTAL	6	329,010		
STATE TOTAL	6	329,010		
FLORIDA				
JACKSONVILLE				
ST. VINCENT'S MEDICAL CENTER				
CN35008-00	MC CLOW, MARVIN		PROGRAM FOR DETECTION OF BREAST CANCER	133,400
INSTITUTION TOTAL	1	133,400		
CITY TOTAL	1	133,400		
MIAMI				
UNIVERSITY OF MIAMI				
HL32992-00	GORDON, MICHAEL S		DEVELOPMENT AND EVALUATION OF AN ANIMATED MANIKIN	126,916
INSTITUTION TOTAL	1	126,916		
CITY TOTAL	1	126,916		
MIAMI BEACH				
MIAMI HEART INSTITUTE				
HL32979-00	GUSSELIN, AUTHUR J		COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	3,900
INSTITUTION TOTAL	1	3,900		
CITY TOTAL	1	3,900		
SARASOTA				
UNITED SOUTHEASTERN TRIBES				
MB34113-00	BEGAY, EUGENE		COUNSELING MECHANISM FOR INDIAN YOUTH ON HEALTH CAREERS	25,000
INSTITUTION TOTAL	1	25,000		
CITY TOTAL	1	25,000		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	4	289,216		
GEORGIA				
ATLANTA				
EMORY UNIVERSITY				
LM34726-00	HALSTEAD, CHARLES L		PRODUCTION OF MEDIATED, SELF-INSTRUCTIONAL DENTAL COURSE	43,215
HD32792-00	PENDLETON, WILLIAM W		CHILD-BEARING AND LABOR-FORCE PARTICIPATION	56,009
INSTITUTION TOTAL	2	99,224		
CITY TOTAL	2	99,224		
STATE TOTAL	2	99,224		
HAWAII				
HONOLULU				
KAPIOLANI HOSPITAL				
HD32760-00	HALE, RALPH W		STUDY OF ESTROGENS AS POSTCOITAL CONTRACEPTIVE AGENTS	10,400
INSTITUTION TOTAL	1	10,400		
CITY TOTAL	1	10,400		
STATE TOTAL	1	10,400		
ILLINOIS				
CHICAGO				
CHILDREN'S MEMORIAL HOSPITAL				
HL32995-00	PAUL, M H		DEVELOPMENT OF CATHETER-TRANSDUCER ASSEMBLY	12,750
INSTITUTION TOTAL	1	12,750		
ILLINOIS INSTITUTE OF TECHNOLOGY				
CP33383-00	KLEIN, M J		STUDY OF STABILITY OF BENZOPYRINE-COATED PARTICLES	39,192
INSTITUTION TOTAL	1	39,192		
MICHAEL REESE HOSPITAL AND MEDICAL CENTER				
HD32739-00	DMOWSKI, PAUL W		INTRAUTERINE RELEASE OF ESTRIOL FOR CONTRACEPTION	133,233
INSTITUTION TOTAL	1	133,233		
NORTHWESTERN UNIVERSITY				
HL32958-00	MITTAL, KAMAL K		STUDY OF EFFECTS OF MATCHED PLATELET TRANSFUSIONS	119,569
INSTITUTION TOTAL	1	119,569		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
CP33385-00	HARVEY, RONALD G	DERIVATIVES OF CARCINOGENIC POLYCYCLIC HYDROCARBONS	72,000
CB33873-00	WIED, GEORGE L	DEVELOPMENT OF AUTOMATED CELL RECOGNITION SYSTEM	183,955
INSTITUTION TOTAL	2	255,955	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE			
HD32750-00	MORIARTY, ROBERT M	SYNTHESIS OF NOVEL STEROIDAL GESTAGENS	30,033
INSTITUTION TOTAL	1	30,033	
CITY TOTAL	7	590,732	
NORTH CHICAGO			
ABBOTT LABORATORIES			
HD32786-00	COLE, J W	THYROTROPIN-RELEASING HORMONE AND ANTIFERTILITY ACTIVITY	83,563
NS32314-00	PLOTNIKOFF, N P	SYNTHESIS OF NEW ANTICONVULSANT DRUGS	214,119
INSTITUTION TOTAL	2	297,682	
CITY TOTAL	2	297,682	
STATE TOTAL	9	888,414	
INDIANA			
ELKHART			
MILES LABORATORIES			
HL32955-00	ROTHSTEIN, FRED	ISOLATION OF PORCINE FACTOR VIII FOR CLINICAL USE	132,250
INSTITUTION TOTAL	1	132,250	
CITY TOTAL	1	132,250	
STATE TOTAL	1	132,250	
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS			
CN35026-00	HUMPHREY, LOREN J	PROGRAM FOR DETECTION OF BREAST CANCER	121,455
INSTITUTION TOTAL	1	121,455	
CITY TOTAL	1	121,455	
STATE TOTAL	1	121,455	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
HD32745-00	EWING, LARRY	CONTRACEPTIVE EFFECTS OF TESTOSTERONE	64,256
MI34103-00	NAVARRO, VINCENTE	MONOGRAPH ON HEALTH MANPOWER PLANNING	32,000
HD32794-00	SCHUETZ, ALLEN W	STUDY OF DYNAMICS OF SPERMATOGENESIS	84,236
HD32795-00	WARING, DENNIS W	STUDY OF OVIDUCTAL FLUID IN THE RAT AND MOUSE	46,000
INSTITUTION TOTAL	4	226,492	
CITY TOTAL	4	226,492	
BETHESDA			
AMERICAN PHYSIOLOGICAL SOCIETY			
LM34725-00	NOT APPLICABLE	PRODUCTION OF MODULAR AUDIOVISUAL INSTRUCTION MATERIALS	98,780
INSTITUTION TOTAL	1	98,780	
CITY TOTAL	1	98,780	
ROCKVILLE			
CONTROL DATA CORPORATION			
CM33739-00	MICKA, SALOMEA S	PROCESSING OF CLINICAL PATIENT RESEARCH DATA	34,916
INSTITUTION TOTAL	1	34,916	
CITY TOTAL	1	34,916	
SILVER SPRING			
AUTOMATION INDUSTRIES--VITRO LABORATORIES			
MI24200-0005	SHAFFER, WAYNE G	DATA-PROCESSING SERVICES	552
INSTITUTION TOTAL	1	552	
FRIARGRAPHICS, INC.			
LM34724-00	NOT APPLICABLE	PREPARATION OF MEDICAL ILLUSTRATIONS	16,240
INSTITUTION TOTAL	1	16,240	
MESSER ASSOCIATES			
CM35031-00	MESSER, DONALD H	NATIONAL SURVEY OF CANCER-CONTROL PROGRAM ACTIVITIES	100,278
INSTITUTION TOTAL	1	100,278	
CITY TOTAL	3	117,070	
STATE TOTAL	9	477,258	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
MASSACHUSETTS				
BOSTON				
BOSTON UNIVERSITY				
HD32789-00	GOULD, JEFFREY B		STUDY OF MONOZYGOUS AND DIZYGOUS TWINS	34,000
INSTITUTION TOTAL	1	34,000		
CENTER FOR BLOOD RESEARCH				
HL32968-00	PENNELL, ROBERT B		STUDY OF PLASMA FRACTIONATION	154,600
INSTITUTION TOTAL	1	154,600		
CHILDREN'S HOSPITAL MEDICAL CENTER				
NS32312-00	GILLES, FLOYD H		NEUROPATHOLOGIC AND EPIDEMIOLOGIC STUDY OF BRAIN	618,435
INSTITUTION TOTAL	1	618,435		
CITY TOTAL	3	807,035		
CAMBRIDGE				
ARTHUR D. LITTLE, INC.				
CP33392-00	CARTER, JERRY J		STUDY OF MUTAGENIC ACTIVITY OF 85 COMPOUNDS	109,500
CP33349-00	REINHOLD, VERNON N		MEASUREMENT OF TOBACCO-SMOKE COMPONENTS	69,200
INSTITUTION TOTAL	2	178,700		
ENVIRONMENTAL IMPACT CENTER				
NS32313-00	BRUMMER, BARRY S		STUDY OF ELECTRICAL STIMULATION OF THE NERVOUS SYSTEM	85,300
INSTITUTION TOTAL	1	85,300		
CITY TOTAL	3	264,000		
SHREWSBURY				
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY				
CB33920-00	BURSTEIN, SUMNER		ROLE OF PROSTAGLANDINS IN MAMMARY GLANDS	39,800
CB33908-00	FAIRBANKS, GRANT		CHARACTERIZATION OF MAMMARY EPITHELIAL CELL MEMBRANE	46,700
CB33902-00	LONGCOPE, CHRISTOPHER		STUDY OF BREAST CANCER ESTRIOL DYNAMICS	80,000
CB33919-00	MAUDSLEY, DAVID		ROLE OF CYCLIC AMP IN MAMMARY GLAND NEOPLASIA	80,000
INSTITUTION TOTAL	4	246,500		
CITY TOTAL	4	246,500		
WALTHAM				
TYCO LABORATORIES				
HL33004-00	MALACHESKY, PAUL		DEVELOPMENT OF A POLAROGRAPHIC PO2-PCO2-PROBE	50,0"5

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	50,075	
CITY TOTAL	1	50,075	
STATE TOTAL	11	1,367,610	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
CP33331-00	KAHN, RAYMOND H	ORGAN CULTURE OF THE PROSTATE	228,071
INSTITUTION TOTAL	1	228,071	
CITY TOTAL	1	228,071	
DETROIT			
WAYNE STATE UNIVERSITY			
HD32773-00	SYNER, FRANK N	HUMAN ACROSOMAL PROTEINASE AND ANTIFERTILITY EFFECT	71,525
INSTITUTION TOTAL	1	71,525	
CITY TOTAL	1	71,525	
LANSING			
MICHIGAN DEPARTMENT OF PUBLIC HEALTH			
HL32943-00	MERCER, JOHN E	ISOLATION OF BOVINE FACTOR VIII FOR CLINICAL USE	159,400
INSTITUTION TOTAL	1	159,400	
CITY TOTAL	1	159,400	
STATE TOTAL	3	458,996	
MINNESOTA			
ROCHESTER			
MAYO FOUNDATION			
HL32984-00	BARNHORST, DONALD A	COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	3,880
INSTITUTION TOTAL	1	3,880	
CITY TOTAL	1	3,880	
SAINT PAUL			
PLANNED PARENTHOOD OF MINNESOTA			
HD32762-00	HANSON, MILDRED	CLINICAL STUDY OF ESTROGENS AS POSTCOITAL CONTRACEPTIVES	52,662
INSTITUTION TOTAL	1	52,662	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	52,662	
STATE TOTAL	2	56,542	
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA			
CP33335-00	HENTGES, DAVID J	EFFECT OF HIGH MEAT DIET ON THE BACTERIAL FLORA	240,648
INSTITUTION TOTAL	1	240,648	
CITY TOTAL	1	240,648	
KANSAS CITY			
MIDWEST RESEARCH INSTITUTE			
CP33387-00	ENGLE, JAMES F	SYNTHESIS OF POLYCYCLIC HYDROCARBON DERIVATIVES	190,917
INSTITUTION TOTAL	1	190,917	
CITY TOTAL	1	190,917	
SAINT LOUIS			
ST. LOUIS UNIVERSITY			
HL32980-00	KAISER, GEORGE C	COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	3,656
INSTITUTION TOTAL	1	3,656	
WASHINGTON UNIVERSITY			
HL32990-00	SPARKS, ROBERT E	DEVELOPMENT OF NEW METHODS OF PLASMA FRACTIONATION	39,308
INSTITUTION TOTAL	1	39,308	
CITY TOTAL	2	42,964	
STATE TOTAL	4	474,529	
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
CN35017-00	MC INTYRE, O ROSS	SUPPORT FOR CLINICAL CHEMOTHERAPY PROGRAM	40,740
INSTITUTION TOTAL	1	40,740	
CITY TOTAL	1	40,740	
STATE TOTAL	1	40,740	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
NEW YORK			
BUFFALO			
CALSPAN CORPORATION			
HD32751-00	TERHUNE, KENNETH W	ACTUAL AND EXPECTED CONSEQUENCES OF FAMILY SIZE	36,900
INSTITUTION TOTAL	1	36,900	
CITY TOTAL	1	36,900	
NEW YORK			
COLUMBIA UNIVERSITY			
CP33395-00	ROSENKRANZ, HERBERT	STUDY OF MUTAGENIC ACTIVITY OF 85 COMPOUNDS	65,135
INSTITUTION TOTAL	1	65,135	
CORNELL UNIVERSITY MEDICAL COLLEGE			
CN35025-00	SILVER, RICHARD T	SUPPORT FOR CLINICAL CANCER CHEMOTHERAPY PROGRAM	156,021
INSTITUTION TOTAL	1	156,021	
NEW YORK UNIVERSITY			
HL32976-00	GLASSMAN, EPHRAIM	COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	3,096
DH34084-00	MOSKOWITZ, HARVEY	SUPPORT FOR CONFERENCE ON DENTAL ADHESIVE MATERIALS	9,950
INSTITUTION TOTAL	2	13,046	
ST. LUKE'S HOSPITAL CENTER			
HL32978-00	KEMP, HARVEY G	COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	3,240
INSTITUTION TOTAL	1	3,240	
CITY TOTAL	5	237,442	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
CB33880-00	HILF, RUSSELL	STUDIES OF ISOENZYMES IN BREAST TISSUES	38,400
INSTITUTION TOTAL	1	38,400	
CITY TOTAL	1	38,400	
STATE TOTAL	7	312,742	
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
CP33313-00	SNYDERMAN, RALPH	STUDY OF PERIPHERAL BLOOD MONOCYTES	75,838

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	75,838		
CITY TOTAL	1	75,838		
STATE TOTAL	1	75,838		
OHIO				
COLUMBUS				
AMERICAN CHEMICAL SOCIETY--CHEMICAL ABSTRACTS SERVICE				
LM34714-00	NOT APPLICABLE		CHEMICAL BIOLOGICAL ACTIVITY COMPUTER SERVICES	5,912
INSTITUTION TOTAL	1	5,912		
CITY TOTAL	1	5,912		
STATE TOTAL	1	5,912		
OKLAHOMA				
OKLAHOMA CITY				
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER				
CN35020-00	HABERMAN, JOANN D		DETECTION OF BREAST CANCER	150,000
DH34107-00	WELK, DONALD A		SUPPORT FOR DENTAL MATERIALS	4,357
INSTITUTION TOTAL	2	154,357		
CITY TOTAL	2	154,357		
STATE TOTAL	2	154,357		
OREGON				
PORTLAND				
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON MEDICAL SCHOOL				
HD32713-00	HECHT, FREDERICK		COORDINATION OF REGIONAL CYTOGENETIC REGISTRIES	39,539
HL32977-00	RAHIMOTODA, SHAHBUDIN H		COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	5,304
INSTITUTION TOTAL	2	44,843		
CITY TOTAL	2	44,843		
STATE TOTAL	2	44,843		
PENNSYLVANIA				
BOILING SPRINGS				
ALLENBERRY INN				
MB34117-00	NOT APPLICABLE		SUPPORT FOR TRAINING CONFERENCE FACILITIES	4,627
INSTITUTION TOTAL	1	4,627		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	4,627		
PENNSYLVANIA				
HERSHEY				
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER				
NS32311-00	NAEYE, RICHARD L		ANALYSIS OF GENERAL AND PLACENTAL PATHOLOGY	409,232
INSTITUTION TOTAL	1	409,232		
CITY TOTAL	1	409,232		
PHILADELPHIA				
ANIMATION ARTS ASSOCIATES				
LM34723-00	NOT APPLICABLE		PREPARATION OF MEDICAL ILLUSTRATIONS	16,154
INSTITUTION TOTAL	1	16,154		
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA				
LM34715-00	NOT APPLICABLE		PREPARATION OF MAGNETIC TAPES FOR PESTICIDES BULLETIN	8,307
INSTITUTION TOTAL	1	8,307		
MEDICAL COLLEGE OF PENNSYLVANIA				
PE34022-00	WEINBERG, ETHEL		THE DEVELOPMENT OF A PART - TIME RESIDENCY PROGRAM	505,000
INSTITUTION TOTAL	1	505,000		
TEMPLE UNIVERSITY				
HD32723-00	LOSCIUTO, LEONARD A		FERTILITY-RELATED DECISION-MAKING AMONG MARRIED COUPLES	120,369
INSTITUTION TOTAL	1	120,369		
CITY TOTAL	4	649,830		
STATE TOTAL	6	1,063,689		
TEXAS				
AUSTIN				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN				
AM32205-00	POPOVICH, ROBERT P		STUDY OF PHYSIOLOGICAL TRANSPORT PARAMETERS	20,000
INSTITUTION TOTAL	1	20,000		
CITY TOTAL	1	20,000		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
TEXAS				
DALLAS				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS				
AI32531-00	ARMSTRONG, ALAN		PRODUCTION OF CRUDE STREPTOCOCCAL M-PROTEIN	31,785
CP33362-00	ESTABROOK, RONALD W		STUDY OF POLYCYCLIC HYDROCARBON METABOLISM	146,545
LM34720-00	NOT APPLICABLE		PURCHASE OF MEDICAL ILLUSTRATIONS	13,955
INSTITUTION TOTAL	3	192,285		
CITY TOTAL	3	192,285		
STATE TOTAL	4	212,285		
UTAH				
SALT LAKE CITY				
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH				
CP33354-00	LYON, JOSEPH L		EPIDEMIOLOGICAL STUDY OF CANCER	68,139
AM32223-00	RAMIREZ, G		THYROID FUNCTION IN PATIENTS WITH CHRONIC RENAL FAILURE	40,000
INSTITUTION TOTAL	2	108,139		
CITY TOTAL	2	108,139		
STATE TOTAL	2	108,139		
WASHINGTON				
PULLMAN				
WASHINGTON STATE UNIVERSITY				
HD32768-00	PADGETT, GEORGE A		STUDY OF SUDDEN DEATH	145,300
INSTITUTION TOTAL	1	145,300		
CITY TOTAL	1	145,300		
RICHLAND				
HOLOSONICS, INC.				
HL32991-00	SALISBURY, STEVEN		STUDY OF INSTRUMENTATION FOR MEDICAL DEVICES	19,055
INSTITUTION TOTAL	1	19,055		
CITY TOTAL	1	19,055		
SEATTLE				
INSTITUTE OF ENVIRONMENTAL MEDICINE AND PHYSIOLOGY				
HL32994-00	SPENCER, M P		DEVELOPMENT OF INVASIVE BLOOD FLOWMETERS	20,000
INSTITUTION TOTAL	1	20,000		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
WASHINGTON			
SEATTLE			
KING COUNTY CENTRAL BLOOD BANK			
HL32996-00	SLICHTER, SHERRILL J	STUDY OF PLATELET-TYPING AND PLATELET TRANSFUSIONS	159,900
INSTITUTION TOTAL	1	159,900	
MEDICAL COMPUTER SERVICES ASSOCIATION			
LM34718-00	NOT APPLICABLE	STUDY OF EDUCATIONAL COMPONENT OF DATA SERVICE	11,900
INSTITUTION TOTAL	1	11,900	
SWEDISH HOSPITAL MEDICAL CENTER			
AM32215-00	BLAGG, CHRISTOPHER R	COMPARATIVE STUDY OF HEMODIALYSIS & PERITONEAL DIALYSIS	54,764
INSTITUTION TOTAL	1	54,764	
UNIVERSITY OF WASHINGTON			
AM32212-00	BAGDADE, JOHN D	STUDY OF HYPERLIPIDEMIA AND ATHEROGENESIS	19,572
HL32973-00	KRONMAL, RICHARD A	COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	48,892
LM34709-00	NOT APPLICABLE	REGIONAL MEDICAL LIBRARY SERVICES	261,198
INSTITUTION TOTAL	3	329,662	
VIRGINIA MASON FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH			
CN35028-00	CARLILE, THOMAS	DETECTION OF BREAST CANCER	130,285
INSTITUTION TOTAL	1	130,285	
CITY TOTAL	6	706,511	
STATE TOTAL	10	870,866	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN AT MADISON			
HD32777-00	WOLF, RICHARD C	HORMONAL REQUIREMENT FOR IMPLANTATION IN RHESUS MONKEY	70,777
INSTITUTION TOTAL	1	70,777	
CITY TOTAL	1	70,777	
MARSHFIELD			
MARSHFIELD CLINIC FOUNDATION FOR MEDICAL RESEARCH AND EDUCATION			
HL32981-00	SAUTIER, RICHARD D	COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	4,046
INSTITUTION TOTAL	1	4,046	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	4,046		
WISCONSIN				
MILWAUKEE				
MEDICAL COLLEGE OF WISCONSIN				
HL32982-00	FLEMMA, ROBERT J		COLLABORATIVE STUDIES ON CORONARY ARTERY SURGERY	3,624
CN35018-00	YOUKER, JAMES E		DETECTION OF BREAST CANCER	117,066
INSTITUTION TOTAL	2	120,690		
MILWAUKEE BLOOD CENTER				
HL32956-00	RODEY, GLENN E		STUDY OF PLATELET-TYPING	150,134
INSTITUTION TOTAL	1	150,134		
CITY TOTAL	3	270,824		
STATE TOTAL	5	345,647		
PUERTO RICO				
MAYAGUEZ				
OMNI RESEARCH--CARIBBEAN RESEARCH LABORATORIES				
CP33386-00	WHEELER, OWEN H		DERIVATIVES OF CARCINOGENIC POLYCYCLIC HYDROCARBONS	25,000
INSTITUTION TOTAL	1	25,000		
CITY TOTAL	1	25,000		
STATE TOTAL	1	25,000		
ISRAEL				
REHOVOTH				
WEIZMANN INSTITUTE OF SCIENCE				
CP33220-00	REVEL, MICHEL		STUDY OF ALTERATION IN TRANSLATION OF GENETIC MESSAGES	213,175
INSTITUTION TOTAL	1	213,175		
CITY TOTAL	1	213,175		
STATE TOTAL	1	213,175		
UNITED KINGDOM				
OXFORD				
UNIVERSITY OF OXFORD				
HD32772-00	JOHNSON, PAUL		STUDY OF SUDDEN INFANT DEATH SYNDROME	53,212
INSTITUTION TOTAL	1	53,212		

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	53,212	
STATE TOTAL	1	53,212	
TOTAL	113	9,628,560	

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM		DOLLARS AWARDED
CALIFORNIA				
LA JOLLA				
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO				
AM05725-01	WHEELER, HENRY O	GASTROENTEROLOGY		26,479
INSTITUTION TOTAL	1		26,479	
CITY TOTAL	1		26,479	
SAN FRANCISCO				
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO				
AM05722-01	THALER, M MICHAEL	PEDIATRIC GASTROENTEROLOGY		32,506
INSTITUTION TOTAL	1		32,506	
CITY TOTAL	1		32,506	
STATE TOTAL	2		58,985	
FLORIDA				
MIAMI BEACH				
MOUNT SINAI MEDICAL CENTER				
HL05980-01	SACKNER, MARVIN A	PULMONARY DISEASES		43,200
INSTITUTION TOTAL	1		43,200	
CITY TOTAL	1		43,200	
STATE TOTAL	1		43,200	
INDIANA				
INDIANAPOLIS				
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS				
AI00454-01	BAUER, DIETRICH C	IMMUNE RESPONSE AND CELLULAR DIFFERENTIATION		36,808
INSTITUTION TOTAL	1		36,808	
CITY TOTAL	1		36,808	
STATE TOTAL	1		36,808	
MINNESOTA				
MINNEAPOLIS				
UNIVERSITY OF MINNESOTA				
HL05996-01	LUCAS, RUSSELL V, JR	PEDIATRIC CARDIOLOGY		76,648
INSTITUTION TOTAL	1		76,648	

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR		TITLE OF PROGRAM	DOLLARS AWARDED
CITY TOTAL	1	76,648		
STATE TOTAL	1	76,648		
NEW YORK				
NEW YORK				
COMMUNITY BLOOD COUNCIL OF GREATER NEW YORK				
HL06000-01	KUHNS, WILLIAM J		MEDICAL DIRECTORS FOR HOSPITAL & COMMUNITY BLOOD BANKS	55,908
INSTITUTION TOTAL	1	55,908		
MONTEFIORE HOSPITAL AND MEDICAL CENTER				
AM05712-01	BANK, NORMAN		RENAL CLINICAL AND RESEARCH TRAINING PROGRAM	22,334
INSTITUTION TOTAL	1			
CITY TOTAL	2	22,334		
STATE TOTAL	2	78,242		
NORTH DAKOTA				
GRAND FORKS				
UNIVERSITY OF NORTH DAKOTA				
HL05939-01A1	BAUMLEVE, STANLEY		MAMMALIAN RESPIRATORY NORMAL AND PATHOLOGIC PHYSIOLOGY	47,114
INSTITUTION TOTAL	1	47,114		
CITY TOTAL	1	47,114		
STATE TOTAL	1	47,114		
TOTAL	8	340,997		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
TW02028-01	PEREZ-MIRANDA, MANUEL	MICROBIOLOGY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STANFORD			
STANFORD UNIVERSITY			
TW02010-01	BUDELLI, RUBEN W	PHYSIOLOGY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
MARYLAND			
BETHESDA			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
TW02026-01	FUENTES, JOSE A	PHARMACOLOGY	F05
AM55177-01	KANE, SHERWIN M	BIOCHEMISTRY	F02
TW00139-01	KREBS, HANS A	FOGARTY INTERNATIONAL SCHOLARSHIP	F15
TW02122-01	MARTIN, BRUCE R	BIOCHEMISTRY	F05
TW00140-01	ROCHA E SILVA, MAURICIO	FOGARTY INTERNATIONAL SCHOLARSHIP	F15
TW02042-01	SHARMA, SHAIL K	BIOCHEMISTRY	F05
TW00141-01	UVNAS, BORJE	FOGARTY INTERNATIONAL SCHOLARSHIP	F15
TW00138-01	VAUGHN, JANET M	FOGARTY INTERNATIONAL SCHOLARSHIP	F15
INSTITUTION TOTAL	8		
CITY TOTAL	8		
STATE TOTAL	8		
MASSACHUSETTS			
BOSTON			
MASSACHUSETTS GENERAL HOSPITAL			
TW01995-01A1	MC LAUGHLIN, CHARLES W	PHYSIOLOGY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW YORK			
NEW YORK			
ROCKEFELLER UNIVERSITY			
TW02107-01	WHITING, MALCOLM J	BIOCHEMISTRY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS GRADUATE SCHOOL OF BIOMEDICAL SCIENCES AT HOUSTON			
TW02007-01	BLANCO, RAFAEL L	GENETICS	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NORWAY			
BERGEN			
UNIVERSITY OF BERGEN			
AM55414-01	RABINOWITZ, LAWRENCE	PHYSIOLOGY	F03
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	14		

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	AREA OF TRAINING	PROGRAM
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO SYSTEM--UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES CAMPUS			
AM70696-01	CORCINO, JOSE J	ACADEMIC CAREER DEVELOPMENT AWARD IN NUTRITION	K07
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	1		

NIH
EDUCATION GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CALIFORNIA			
LOS ANGELES			
LOS ANGELES COMMUNITY COLLEGE DISTRICT--LOS ANGELES CITY COLLEGE			
AH00636-01	LYON, ROBERT J	SPECIAL SUPPORT FOR ALLIED HEALTH PROFESSIONS	72,591
INSTITUTION TOTAL	1	72,591	
CITY TOTAL	1	72,591	
STATE TOTAL	1	72,591	
DIST OF COL			
WASHINGTON			
ASSOCIATION OF SCHOOLS OF ALLIED HEALTH PROFESSIONS			
AH00106-01	SAMUELS, WILLIAM M	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	195,465
AH00510-01	SAMUELS, WILLIAM M	SPECIAL SUPPORT FOR ALLIED HEALTH PROFESSIONS	103,005
INSTITUTION TOTAL	2	298,470	
CITY TOTAL	2	298,470	
STATE TOTAL	2	298,470	
ILLINOIS			
CHICAGO			
AMERICAN DENTAL HYGIENISTS' ASSOCIATION			
AH05054-01	SCHNURR, BARBARA J	SHORT-TERM PUBLIC HEALTH TRAINING	5,330
INSTITUTION TOTAL	1	5,330	
AMERICAN DIETETIC ASSOCIATION			
AH00114-01	HART, MAXINE	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	16,234
INSTITUTION TOTAL	1	16,234	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
AH05061-01	RUNNERSTROM, LILLIAN	SHORT-TERM PUBLIC HEALTH TRAINING	8,932
AH05060-01	RUNNERSTROM, LILLIAN	SHORT-TERM PUBLIC HEALTH TRAINING	9,392
INSTITUTION TOTAL	2	18,324	
CITY TOTAL	4	39,888	
STATE TOTAL	4	39,888	

NIH
EDUCATION GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
LOUISIANA			
RUSTON			
LOUISIANA TECHNOLOGICAL UNIVERSITY			
AH00117-01	KILGORE, S S	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	11,349
INSTITUTION TOTAL	1	11,349	
CITY TOTAL	1	11,349	
STATE TOTAL	1	11,349	
MARYLAND			
ROCKVILLE			
AMERICAN OCCUPATIONAL THERAPY ASSOCIATION			
AH00113-01	OSTROW, PATRICIA C	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	113,325
INSTITUTION TOTAL	1	113,325	
CITY TOTAL	1	113,325	
STATE TOTAL	1	113,325	
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
AH00112-01	HICKEY, HELEN K	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	30,640
INSTITUTION TOTAL	1	30,640	
CITY TOTAL	1	30,640	
STATE TOTAL	1	30,640	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
AH00111-01	ATTWOOD, MADGE	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	16,920
INSTITUTION TOTAL	1	16,920	
CITY TOTAL	1	16,920	
BIG RAPIDS			
FERRIS STATE COLLEGE			
AH00108-01	COOK, THOMAS G	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	34,163
INSTITUTION TOTAL	1	34,163	

NIH
EDUCATION GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CITY TOTAL	1	34,163	
STATE TOTAL	2	51,083	
MINNESOTA			
MINNEAPOLIS			
SISTER KENNY INSTITUTE			
AH00109-01	SMITH, ANITA	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	6,465
AH00116-01	SMITH, ANITA P	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	6,625
INSTITUTION TOTAL	2	13,090	
CITY TOTAL	2	13,090	
STATE TOTAL	2	13,090	
NEW YORK			
NEW YORK			
COLUMBIA UNIVERSITY			
AH02050-01	LINDAMAN, FRACIS C	SHORT-TERM PUBLIC HEALTH TRAINING	14,000
INSTITUTION TOTAL	1	14,000	
NATIONAL CHILD LABOR COMMITTEE			
AH00536-01	LESH, SEYMOUR	SPECIAL SUPPORT FOR ALLIED HEALTH PROFESSIONS	204,533
INSTITUTION TOTAL	1	204,533	
CITY TOTAL	2	218,533	
SYRACUSE			
SYRACUSE UNIVERSITY			
AH02049-01	ALIN, MICHAEL C	SHORT-TERM PUBLIC HEALTH TRAINING	4,680
INSTITUTION TOTAL	1	4,680	
CITY TOTAL	1	4,680	
STATE TOTAL	3	223,213	
PUERTO RICO			
MAYAGUEZ			
UNIVERSITY OF PUERTO RICO SYSTEM--UNIVERSITY OF PUERTO RICO AT MAYAGUEZ			
AH00115-01	ROURE, LUIS, A	SHORT-TERM ADVANCED TRAINING--ALLIED HEALTH PROFESSIONS	6,100
INSTITUTION TOTAL	1	6,100	

NIH
EDUCATION GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CITY TOTAL	1		6,100
STATE TOTAL	1		6,100
TOTAL	18		859,749

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
ANAHEIM			
MARTIN LUTHER HOSPITAL			
LM02048-01	LUND, JERRY	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	2,990
INSTITUTION TOTAL	1	2,990	
CITY TOTAL	1	2,990	
BURBANK			
BURBANK COMMUNITY HOSPITAL			
LM02031-01	DAVIS, ESTELLE	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
SAN FRANCISCO			
UNIVERSITY OF THE PACIFIC			
LM01698-01	SAUNDERS, JOAN D	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	64,739
INSTITUTION TOTAL	1	64,739	
CITY TOTAL	1	64,739	
TORRANCE			
TORRANCE MEMORIAL HOSPITAL			
LM01968-01	WOOD, G KENNETH	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,050
INSTITUTION TOTAL	1	3,050	
CITY TOTAL	1	3,050	
STATE TOTAL	4	73,779	
COLORADO			
LAKEWOOD			
JEFFERSON COUNTY MENTAL HEALTH CENTER			
LM01912-01	PORTER, WILLIAM H	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	1	3,000	

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
IDAHO			
JEROME			
ST. BENEDICT'S HOSPITAL			
LM01979-01	MATTHEW, SISTER MARY	MEDICAL LIBRARY RESOURCE IMPROVEMENT GRANT	2,253
INSTITUTION TOTAL	1	2,253	
CITY TOTAL	1	2,253	
STATE TOTAL	1	2,253	
INDIANA			
TERRE HAUTE			
INDIANA STATE UNIVERSITY			
LM01980-01	MUENCH, EUGENE V	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	6,552
INSTITUTION TOTAL	1	6,552	
CITY TOTAL	1	6,552	
STATE TOTAL	1	6,552	
IOWA			
AMES			
IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY			
LM01983-01	BROWN, TIMOTHY A	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	27,667
INSTITUTION TOTAL	1	27,667	
CITY TOTAL	1	27,667	
STATE TOTAL	1	27,667	
KANSAS			
NORTON			
KANSAS STATE DEPARTMENT OF SOCIAL WELFARE--NORTON STATE HOSPITAL			
LM01859-01	WADSWORTH, GEORGE L	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	1	3,000	
MASSACHUSETTS			
BOSTON			
FORSYTH DENTAL CENTER			
LM01863-01	HEIN, JOHN W	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	38,500

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	38,500	
CITY TOTAL	1	38,500	
STATE TOTAL	1	38,500	
MICHIGAN			
MARQUETTE			
ST. LUKE'S HOSPITAL			
LM01977-01	MAHOWALD, JANE F	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	1	3,000	
MISSOURI			
FARMINGTON			
MISSOURI DEPARTMENT OF PUBLIC HEALTH AND WELFARE--FARMINGTON STATE HOSPITAL			
LM01934-01	TUTTLE, JAY F	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	1	3,000	
NEW MEXICO			
LAS CRUCES			
MEMORIAL GENERAL HOSPITAL			
LM01920-01	ANDERSON, E R	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	2,935
INSTITUTION TOTAL	1	2,935	
CITY TOTAL	1	2,935	
STATE TOTAL	1	2,935	
NEW YORK			
AMSTERDAM			
ST. MARY'S HOSPITAL			
LM01991-01	SISTER MARGARET DONOVAN	MEDICAL LIBRARY RESOURCE PROJECT GRANT	14,000
INSTITUTION TOTAL	1	14,000	
CITY TOTAL	1	14,000	

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	1	14,000	
OKLAHOMA			
TALIHINA			
OKLAHOMA STATE DEPARTMENT OF HEALTH--EASTERN OKLAHOMA TUBERCULOSIS SANATORIUM			
LM01887-01	CUNNINGHAM, TOMMIE	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,071
INSTITUTION TOTAL	1	3,071	
CITY TOTAL	1	3,071	
STATE TOTAL	1	3,071	
PENNSYLVANIA			
ALLENTOWN			
ALLENTOWN OSTEOPATHIC HOSPITAL			
LM01918-01	SNYDER, R K	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,100
INSTITUTION TOTAL	1	3,100	
CITY TOTAL	1	3,100	
PHILADELPHIA			
COLLEGE OF PHYSICIANS OF PHILADELPHIA			
LM01923-01	MORSE, ELLIOTT H	MEDICAL LIBRARY RESOURCE PROJECT SUPPORT	50,000
INSTITUTION TOTAL	1	50,000	
CITY TOTAL	1	50,000	
STATE TOTAL	2	53,100	
TENNESSEE			
KNOXVILLE			
TENNESSEE DEPARTMENT OF MENTAL HEALTH--EASTERN STATE PSYCHIATRIC HOSPITAL			
LM02028-01	MARSHALL, JOHN H	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	2,600
INSTITUTION TOTAL	1	2,600	
CITY TOTAL	1	2,600	
MARYVILLE			
BLOUNT MEMORIAL HOSPITAL			
LM02029-01	WEADICK, JAMES F	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	3,000	
STATE TOTAL	2	5,600	
TEXAS			
NACOGDOCHES			
MEMORIAL HOSPITAL			
LM02014-01	DALE, CHARLES	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,100
INSTITUTION TOTAL	1	3,100	
CITY TOTAL	1	3,100	
STATE TOTAL	1	3,100	
VERMONT			
SAINT ALBANS			
ST ALBANS HOSPITAL			
LM02040-01	WILSON, HELEN	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	1	3,000	
WEST VIRGINIA			
CHARLESTON			
CHARLESTON AREA MEDICAL CENTER--MEMORIAL DIVISION			
LM01838-01	POOLE, THOMAS R	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,300
INSTITUTION TOTAL	1	3,300	
CITY TOTAL	1	3,300	
STATE TOTAL	1	3,300	
WISCONSIN			
MONROE			
ST. CLARE HOSPITAL OF MONROE			
LM02036-01	WAGNER, SISTER M WILFREDA	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,239
INSTITUTION TOTAL	1	3,239	
CITY TOTAL	1	3,239	

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WISCONSIN			
RACINE			
HIGH RIDGE HOSPITALS			
LM02034-01	NAPOLITANO, ALEXANDER L	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	2	6,239	
TOTAL	24	255,096	

LIBRARY
NIH
Amazing Research.
Amazing Help.
http://nihlibrary.nih.gov

10 Center Drive
Bethesda, MD 20892-1150
301-496-1080

NIH LIBRARY
4 0053 9113

DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD. 20014

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE $300

NIH LIBRARY

POSTAGE
U.S. DEPART
HEW 394

NIH LIBRARY
3 1496 00178 9901

U.S.MAIL

LIBRARY
ACQUISITIONS UNIT
NIH
BLDG 10 RM 1-L-13

RG-1